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(54) Title: METHOD FOR PREPARING A (R)- OR (S)- FORM OF N-(2,6-DIMETHYL PHENYL) ALANINE AND A COUNTER ENANTIOMERIC FORM OF N-(2,6-DIMETHYL PHENYL) ALANINE ESTER THERETO USING ENZYME

(57) Abstract: The present invention provides methods for stereospecifically preparing (R)- or (S)-N-(2,6-dimethyl phenyl) alanine and counter ester compounds thereto using enzyme, which comprises reacting an enzyme having hydrolytic activity specific to one enantiomer of racemic (R), (S)-N-(2,6-dimethyl phenyl) alanine esters ((R)-enantiomer and (S)-enantiomer) with the racemic mixture above to obtain (R)- or (S)-N-(2,6-dimethyl phenyl) alanine by optical resolution, or extracting (S)- or (R)-N-(2,6-dimethyl phenyl) alanine ester as an unreacted compound from a reaction mixture using solvent, or esterifying a certain alanine enantiomer separated by the optical resolution with alcohol to synthesize (S)- or (R)-N-(2,6-dimethyl phenyl) alanine ester.

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